VIA EXPRESS MAIL EL629609647US
PATENT
60303.45

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:

18

Mitsutoshi NATSUMEDA and Hirofumi TAKABAYASHI

Serial No.: Unknown

Filed: Concurrently herewith

For: MAGNETIC FIELD ANALYZING METHOD AND

**DEVICE THEREFOR** 

International Application No.: PCT/JP2003/012558

International Filing Date: September 30, 2003

## **INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Applications Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §1.56, and in recognition of their duty to disclose to the United States Patent and Trademark Office relevant information known to be material to patentability, Applicants herewith submit copies of the prior art listed on the attached Information Disclosure Statement (Form PTO-1449). The prior art reference 1 was cited in the International Search Report for PCT application No. PCT/JP2003/012558. The prior art references 2-5 are additional references that Applicants submit herewith. Applicants submit herewith an English abstract and a machine translation for the prior art references 1-4. The relevance of prior art reference 5 is discussed on page 2, lines 7-11 of the originally filed specification.

The statement is not a representation that all of the information cited is necessarily effective as prior art against the application.

International Application No.: PCT/JP2003/012558

U.S. Patent Application No.: Unknown

July 16, 2004 Page 2 of 2

Applicants respectfully request that the disclosed references be made of record in the subject application.

Respectfully submitted,

Date: July 16, 2004

Attorneys for Applicant(s)

Joseph R. Keating Registration No. 37,368

Christopher A. Bennett Registration No. 46,710

KEATING & BENNETT LLP 10400 Eaton Place, Suite 312 Fairfax, VA 22030

Telephone: (703) 385-5200 Facsimile: (703) 385-5080

10/501781 PTO/SB/08A (04-03)

1792 III. 6 1 DETAPTO 1 6 .IIII 2004

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	

C	complete if k vn
Application Number	2 (**)
Filing Date	
First Named Inventor	Mitsutoshi NATSUMEDA
Art Unit	
Examiner Name	
Attorney Docket Number	60303.45

	U.S. PATENT DOCUMENTS													
Examiner Initials*											Pages, Relevai	Columns, L nt Passages Figures Ap	ines, Where or Relevar pear	e nt
				-				-						
								1						<del></del>
		<del></del>												
					-	-						•		
				···						. =				
								·						
								-						

	-	FO	<b>REIGN PATEN</b>	T DOCUMEN	NTS		
Examine r Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number-Kind Code <sup>5</sup> (if known)	Publication Date MM -YYYY	Name of Pa Applicant of Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Le
	1	JP 2003-242199	08/2003	JAPAN			X
	2	JP 2002-328956	11/2002	JAPAN	47		X
	3	JP 2002-328957	11/2002	JAPAN			X
	4	JP 09-051700	02/1997	JAPAN			Х
		·					
	<u> </u>			ļ			
	ļ			ļ			
	ļ						-
	ļ						
	<del> </del>						
- 4	ļ						_
	<del> </del>						
Examiner Signature	<del>                                     </del>		<u> </u>		Date Considered		

\*Examiner: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Abstract is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

PTO/SB/08A (04-03)

JT12 C'd PCT/PTO 1 6 JUL 2004

	Complete if Known					
Substitute for form 1449/PT0	Application Number					
INFORMATION DISCLOSURE	Filing Date					
	First Named Inventor	Mitsutoshi NATSUMEDA				
STATEMENT BY APPLICANT	Art Unit					
(Use as many sheets as necessary)	Examiner Name					
Sheet 2 of 2	Attorney Docket Number	60303.45				

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title  Of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	5	Yasuto TANIGUCHI et al., "Magnetic Field Analysis of a Permanet Magnet Motor with a Skewed Rotor Using the Finite Element Method and a 3-D Mesh Coupling Method". URL: http://www.jri.co.jp/pro-eng/jmag/analysis/papers/skew.pdf	
		·	
Examiner Signature		Date Considered	

<sup>\*</sup>Examiner: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.